



# PUBLIC WORKS DEPARTMENT

CITY OF PORTSMOUTH

680 Peverly Hill Road

Portsmouth N.H. 03801

(603) 427-1530 FAX (603) 427-1539

July 12, 2013

Stephanie Larson  
NHDES  
PO Box 95  
29 Hazen Drive  
Concord, NH 03301

Subject: Daily Maximum Fecal Violations  
NPDES Permit No. NH0090000  
Discharge No. 005A  
Pease WWTF

Dear Ms. Larson:

This is the five-day follow up letter for two daily maximum fecal violations for the Pease Facility. The following conditions occurred:

Date of Sample: 7/10/13  
Chlorine Residual before Dechlorination at the time of Sample: 6.7 mg/L  
Chlorine Residual after Dechlorination at the time of Sample: 0.0 mg/L  
Free Chlorine 0.0 mg/L  
Plant Flow at time of Sample: 0.43 MGD  
Fecal Results: 135.5 MPN/100ml

Date of Sample: 7/11/13  
Chlorine Residual before Dechlorination at the time of Sample: 5.3 mg/L  
Chlorine Residual after Dechlorination at the time of Sample: 0.0 mg/L  
Free Chlorine 1.7 mg/L  
Plant Flow at time of Sample: 0.47 MGD  
Fecal Results: 2419.6 MPN/100ml

SBR #2 experience a process upset this past week which has impacted the effluent fecal results. The following steps have been taken to address this issue:

- SBR #2 has been isolated (no effluent flow) until biomass has stabilized and performance is restored
- The Equalization Tanks and Chlorine Contact Tanks were drained and cleaned on Wednesday July 10<sup>th</sup> and Friday July 12<sup>th</sup>
- The chlorine dosage has been increased
- Engineering consultants have been contacted for assistance and operational recommendations
- Butterfield Environmental has been scheduled for Monday July 15<sup>th</sup> for assistance with jar testing polymers in order to improve process performance

CITY OF PORTSMOUTH, NEW HAMPSHIRE  
PUBLIC WORKS DEPARTMENT

Please feel free to call if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Terry Desmarais', with a stylized, flowing script.

Terry Desmarais, City Engineer Water and Sewer Divisions

Cc: Joy Hilton, USEPA  
Brian Goetz, Deputy Director of Public Works  
Paula Anania, Chief Operator